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The funding in ASSERT Grant NO F49620-93-1-0368 is primarily for Paul Nyffenegger, a graduate student at the University of Texas at Austin. He has been working with a colleague, Lian-She Zhao, to modify a computer program to construct synthetic seismograms using the reflectivity method so that he can evaluate broadband non-double-couple signals, and comparing his primarily results with data for small earthquakes in California. He continues to collect data for specific large, non-double earthquakes form the IRIS DMS data archives in Seattle. We expect to present some preliminary results from this research at the Air Force meetings in New York in September.

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May 31, 1994

Ms. Marilyn J. McKee
Chief, Contracts/Grants Administration Division
AFOSR/PKA
110 Duncan Avenue, Suite B115
Bolling AFB, DC 20332-0001

Re: Annual Technical Report for AASERT Grant No. F49620-93-1-0368

Dear Ms. McKee:

The funding in AASERT Grant No. F49620-93-1-0368 is primarily for Paul Nyffenegger, a graduate student under my supervision at the University of Texas at Austin. In 1993-1994 Nyffenegger has continued to make good progress towards the Ph. D. degree. In December, 1993, he passed his Admission to Candidacy exam, so that now his principal concern is to work on research for his dissertation. He has now finished his required, formal coursework for the Ph. D.

In this research, he has made reasonable progress. Recently he has been working with a colleague, Lian-She Zhao, to modify a computer program to construct synthetic seismograms using the reflectivity method so that he can evaluate broadband non-double-couple signals, and comparing his preliminary results with data for small earthquakes in California. He continues to collect data for specific large, non-double-couple earthquakes from the IRIS DMS data archives in Seattle. We expect to present some preliminary results from this research at the Air Force meetings in New York in September.

Sincerely,

Cliff Frohlich
Senior Research Scientist

Copy: Eleanor P. Picard, UTIG
Wayne Kuenstler, UT OSP
Pat Campbell, ONR Austin Office